



CONSTRUCTION EQUIPMENT

SWO-066958 VOLVO A60 340124 - BOGIE/CENTER LEFT FINAL DRIVE



Sample No: VCP431509
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-066958



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP431509 | VCP423807 | VCP402472 | VCP363653 |
| Sample Date | 06 Nov 2023 | 15 Jun 2023 | 04 Mar 2023 | 26 Oct 2022 |
| Machine Hours | 8770 | 2220 | 7828 | 7297 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Not Chngd | Changed | Not Chngd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

SAIIA CONSTRUCTION LLC
4400 LEWISBURG RD
BIRMINGHAM, AL
US 35207
Contact: STEPHANI BRITTON
sbritton@saiia.com;doug.bogart@wearcheck.com
T: (205)943-2268
F: (205)943-2269



OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 290 | 291 | 209 | 208 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|----------|----|----|---|
| Silicon | ppm | 4 | 4 | 3 | 1 |
| Sodium | ppm | 0 | 0 | <1 | 0 |
| Potassium | ppm | 0 | <1 | <1 | 0 |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 26 | 26 | 37 | 26 |
| Copper | ppm | 0 | <1 | <1 | <1 |
| Lead | ppm | 0 | 0 | <1 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | 0 | 0 | 0 | 0 |
| Chromium | ppm | <1 | <1 | 1 | <1 |
| Molybdenum | ppm | <1 | 2 | 4 | 3 |
| Nickel | ppm | 0 | 0 | 0 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | <1 | 0 |
| Manganese | ppm | <1 | <1 | 2 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|------|------|------|
| Calcium | ppm | 62 | 62 | 153 | 127 |
| Magnesium | ppm | 24 | 23 | 27 | 23 |
| Zinc | ppm | 53 | 57 | 77 | 77 |
| Phosphorus | ppm | 988 | 1073 | 1127 | 1113 |
| Barium | ppm | 0 | 2 | 0 | 0 |
| Boron | ppm | 193 | 205 | 166 | 181 |

Depot: SAIBIR
Unique No: 10735601
Signed: Sean Felton
Report Date: 10 Nov 2023

VOLVO **GRAPHS**

